

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Mats FRIMAN

Application No.: New U.S. National Stage of
PCT/FI03/00669

Filed: March 8, 2005

Docket No.: 123078

For: METHOD AND APPARATUS FOR DETERMINING HYSTERESIS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. The references 1-4 were cited in a counterpart foreign application. A copy of the foreign search report is attached for the Examiner's information.

Respectfully submitted,

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17m PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 123078	APPLICATION NO. New U.S. National Stage of PCT/FI03/00669 10/527026		
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Mats FRIMAN				
		FILING DATE March 8, 2005	GROUP			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	1.	WO 01/11436 A1	2/15/2001	WIPO		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
	2.	K.T. Woo et al.; "A Fuzzy System Compensator for Backlash"; Proceeding of the 1998 IEEE International Conference on Robotics and Automation, Belgium; May 1998; pp 181-186				
	3.	Ren Xue-Mei et al.; "Adaptive Nonlinear PID Control and Rule-Based Compensation for Systems with Backlash"; Journal; of Beijing Institute of Technology, Vol. 9, No. 2; 2000; pp 195-200				
	4.	Dieter Strobl et al.; "Motion Control (MC'98); Proceedings volume from the IFAC Workshop, Grenoble, France; September 21-23 1998; pp 1-6				
EXAMINER					DATE CONSIDERED	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						